

**Title:**

Invalid annotation of SSPPDU in the manifest files of S-1A

**Description:**

All the S-1A L0 products generated since the launch contain the following annotation in their manifest file:

<resource name="Sentinel-1 SAR Space Packet Protocol Data Unit S1-IF-ASD-PL-0007" version="10.0" role="Applicable Document">

This annotation is wrong, as since launch all the products are aligned to SSPPDU v12 format and to SSPPDU v13 since July 2015.

**Degradation types:**

- |   |  |
|---|--|
| <input type="checkbox"/> DEGRADED_PRODUCT_RADIOMETRY      | <input type="checkbox"/> DEGRADED_PRODUCT_GEOLOCATION            |
| <input type="checkbox"/> DEGRADED_RADIOMETRIC_CALIBRATION | <input type="checkbox"/> DEGRADED_PLATFORM_POINTING              |
| <input type="checkbox"/> DEGRADED_ORBIT_CONTROL           | <input type="checkbox"/> DEGRADED_PERFORMANCE_INSTRUMENT_ANOMALY |
| <input type="checkbox"/> COMPLETE_PRODUCT_DEGRADATION     | <input type="checkbox"/> SLICE_PRODUCT_NON_CONCATENABLE          |
| <input type="checkbox"/> DEGRADED_PHASE                   | <input checked="" type="checkbox"/> OTHER                        |

**Degradation percentage<sup>1</sup>:**

0%

**Impacted products:**

- |                             |  |  |  |   |  |
|-----------------------------|--|--|--|---|--|
| <b>Platform:</b>            | <input checked="" type="checkbox"/> S-1A               | <input type="checkbox"/> S-1B                          |  |   |  |
| <b>Acquisition mode:</b>    | <input checked="" type="checkbox"/> EW                 | <input checked="" type="checkbox"/> IW                 | <input checked="" type="checkbox"/> SM                 | <input checked="" type="checkbox"/> WV  | <input checked="" type="checkbox"/> RF |
| <b>Product type:</b>        | <input checked="" type="checkbox"/> RAW                | <input type="checkbox"/> SLC                           | <input type="checkbox"/> GRD                           | <input type="checkbox"/> OCN            |  |
| <b>Resolution class:</b>    | <input type="checkbox"/> MR                            | <input type="checkbox"/> HR                            | <input type="checkbox"/> FR                            | <input checked="" type="checkbox"/> N/A |  |
| <b>Polarization:</b>        | <input checked="" type="checkbox"/> SH (Single pol. H) | <input checked="" type="checkbox"/> SV (Single pol. V) | <input checked="" type="checkbox"/> DV (Double pol. V) |   |  |
|                             | <input checked="" type="checkbox"/> DH (Double pol. H) |  |  |   |  |
| <b>Processing facility:</b> | <input checked="" type="checkbox"/> PAC1 / UPA         | <input checked="" type="checkbox"/> PAC2 / DPA         |  |   |  |
|                             | <input checked="" type="checkbox"/> CGS1 / Matera      | <input checked="" type="checkbox"/> CGS2 / Svalbard    | <input checked="" type="checkbox"/> CGS3 / Maspalomas  |   |  |

IPF version: N/A

Instrument Configuration ID (RDB): N/A

ADF files:

AUX_INS	N/A
AUX_CAL	N/A
AUX_PP1	N/A
AUX_PP2	N/A
AUX_SCS	N/A

**Beginning of the issue:**

Start acquisition date: April 2014

Start generation date: April 2014

Orbit: N/A

Datatake (hex): N/A

**End of the issue:**

☒ not yet defined ☐ available

End acquisition date: 2019-04-17 06:30:03 UT

End generation date: 2019-04-17 07:01:28 UT

Orbit: 26826

Datatake (hex): 0303E3

<sup>1</sup> Percentage of degradation of the data in the product (100% means that the product should be masked in the product catalogue)

**Cause:**

A wrong annotation of reference document version in the manifest files of RAW products for S1A.

**Status:**

All the RAW products (S1A/S1B) since the beginning of the mission are wrongly annotated with SSPPDU v10.

The reference document version in the L0 manifest files is correct since the end of the issue indicated above.

No re-processing will be asked for this issue.

**References:**

- **MPC ref:** MPC5-1301
- **PDGS ref:** S1PDGS-34667
- **ARTS ref:** N/A